



LLNS Subcontract: B614665 Quarterly Report POP: April 1st –June 30, 2015

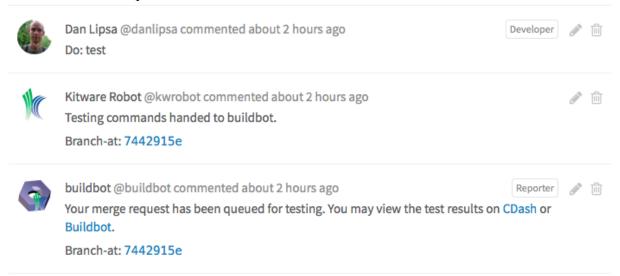
Summary

For this quarter most of the work is done towards software infrastructure that is necessary for LLNL tools, and helping with UV-CDAT. Below is the list of tasks completed / ongoing.

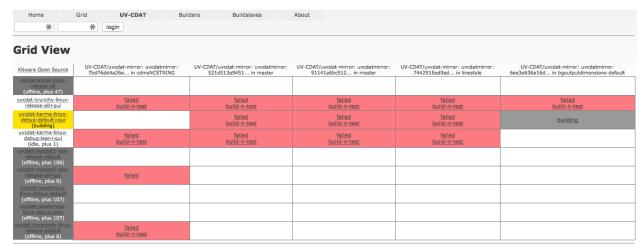
Tasks

Continuous integration and testing system

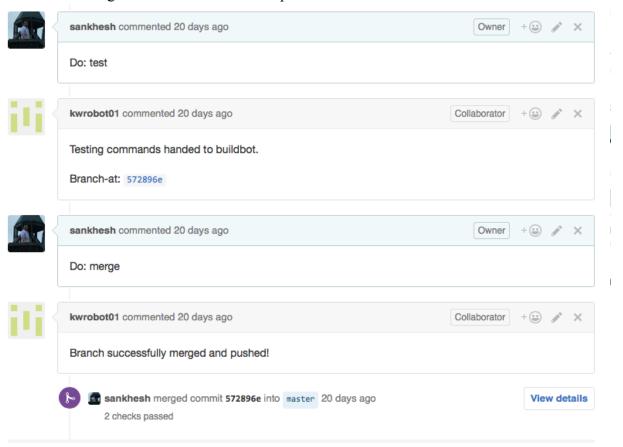
- The whole testing infrastructure works on Gitlab. Pull requests from Github are ported as merge requests.
- Users type commands like 'Do: test' as comments on the merge request to run the test suite on multiple build slaves.



• Build slaves deployed at LLNL and Kitware



• Github integration with GitRobot complete. Tested.



• Existing buildbot ported to work with Github. Testing revealed some bugs that need to be fixed.

Documentation Improvements

- Created new documentation for vcs and uvcdat.
- Updating documentation to include deep-down details of VCS api.

Work planned for Fourth quarter

- Plot visualizations
 - Fix vcs label size and placements
 - o Discuss, design and implement interactivity on 2D plots
 - Move to OpenGL2 backend for faster performance
- Infrastructure
 - Continue to improve testing
 - o Prepare for UV-CDAT 3.0 release